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RE: Boundary load question - Harbor Pathogen TMDL
Miller, Robin
to:
Rosella OConnor
02/08/2012 12:00 PM
Hide Details
From: "Miller, Robin" <Robin.Miller@hdrinc.com>

To: Rosella OConnor/R2/USEPA/US@EPA

History: This message has been forwarded.

Rosella,

Per Anand, the calibration input files have 100/100 ml as the Enterococci concentration for all heads-of-tide. I have yet to find the exact justification in the project files and Anand did not have a recollection. Some of the contemporary data that we have seen for head-of-tide are suggestive of concentrations in the 100's so if anything that 100/100 ml is on the low side of existing conditions.

Also, the PAT (spreadsheet tool) based on the calibration has a switch which allows a user to specify head-of-tide for all Rivers at once at existing (100 /100 ml) or at standard (35/100 ml). It might be possible to see how Hackensack and Passaic River concentrations differ between those two cases if that is a direction that EPA and the State want to head as part of the sensitivity assessment. (sensitivity on a calibration)

I believe doing the full model run with the TMDL reductions for Hackensack and Passaic River CSOs and SW being assumed thus far active and gauging the sensitivity to two different specifications of the Saddle River, Passaic River, and Hackensack boundary inputs is a better sensitivity test that might be easier to explain and translate into margin of safety. (sensitivity on a TMDL scenario)

Robin

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From: Rosella OConnor [mailto:OConnor.Rosella@epamail.epa.gov]
Sent: Wednesday, February 08, 2012 11:42 AM
To: Miller, Robin
Subject: Boundary load question - Harbor Pathogen TMDL

Hi Robin,

Wen we spoke on Monday, I think you indicated you would recheck how the HOTs were handled in the model calibration. You thought that they were set to a single value. Can you verify? We're waiting to hear back from NJDEP on what sensitivity run they would like (either 10x at boundary or perhaps at the single sample max of 104).

Thanks,
Rosella